

Recombinant Mouse Lap3 Protein, Myc/DDK-tagged

Cat. No. Lap3-3753M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length leucine aminopeptidase 3 (Lap3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Cytosolic metallopeptidase that catalyzes the removal of unsubstituted N-terminal hydrophobic amino acids from various peptides. The presence of Zn ²⁺ ions is essential for the peptidase activity, and the association with other cofactors can modulate the substrate specificity of the enzyme. For instance, in the presence of Mn ²⁺ , it displays a specific Cys-Gly hydrolyzing activity of Cys-Gly-S-conjugates. Involved in the metabolism of glutathione and in the degradation of glutathione S-conjugates, which may play a role in the control of the cell redox status.
Molecular Mass	56.1 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Lap3 leucine aminopeptidase 3 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Lap3](#)

Synonyms LAP3; leucine aminopeptidase 3; cytosol aminopeptidase; peptidase 7; peptidase S; leucyl aminopeptidase; prolyl aminopeptidase; proline aminopeptidase; Lap; Pep7; Peps; LAP-3; Lapep; Pep-7; Pep-S; AA410100; 2410015L10Rik

Gene ID [66988](#)

mRNA Refseq [NM_024434](#)

Protein Refseq [NP_077754](#)

UniProt ID [Q9CPY7](#)

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